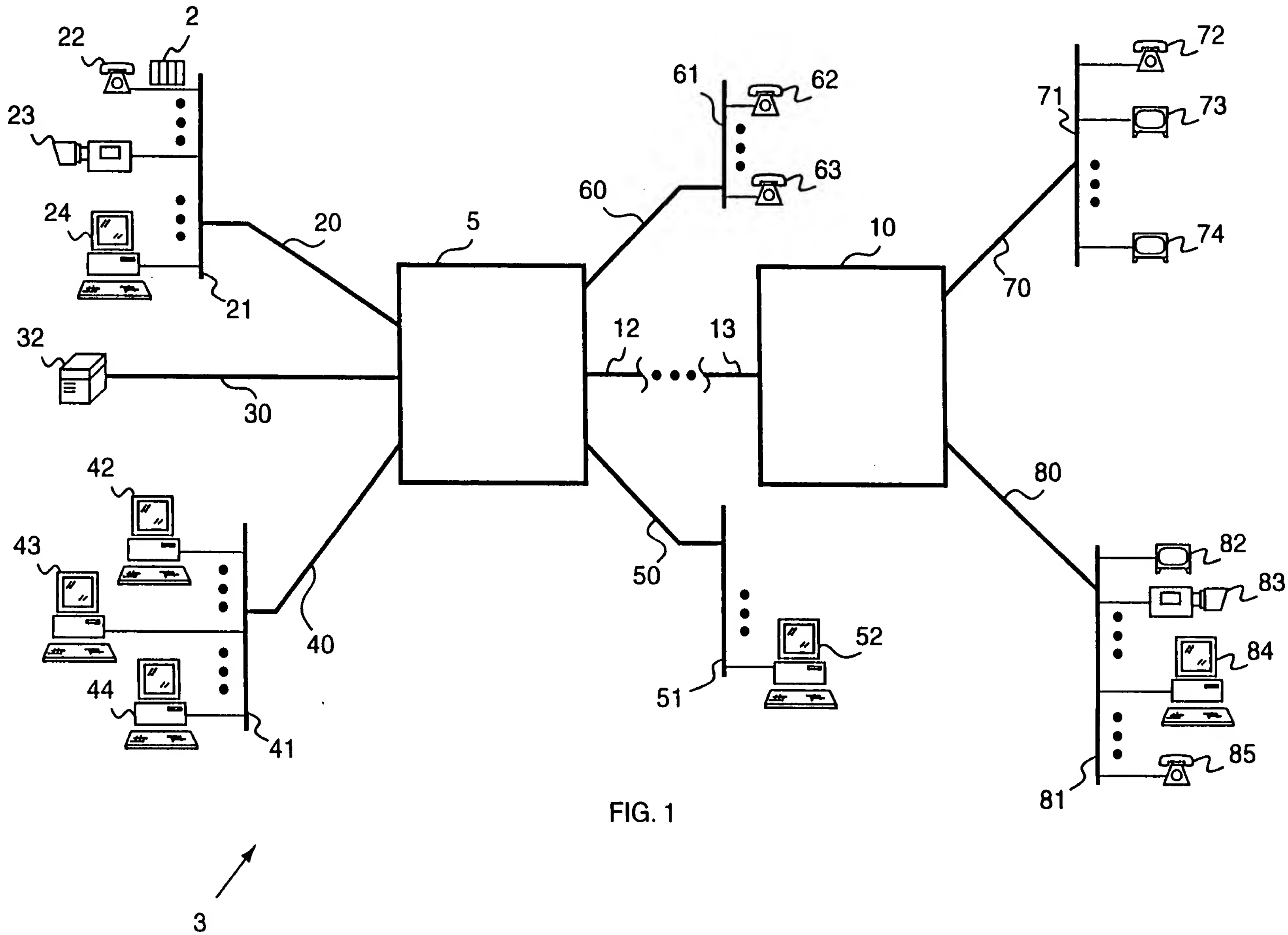
2
22
23
24
21
20
32
30
42
43
44
41
40
5
60
61
62
63
12
13
10
50
51
52
70
71
72
73
74
80
81
82
83
84
85
3

FIG. 1

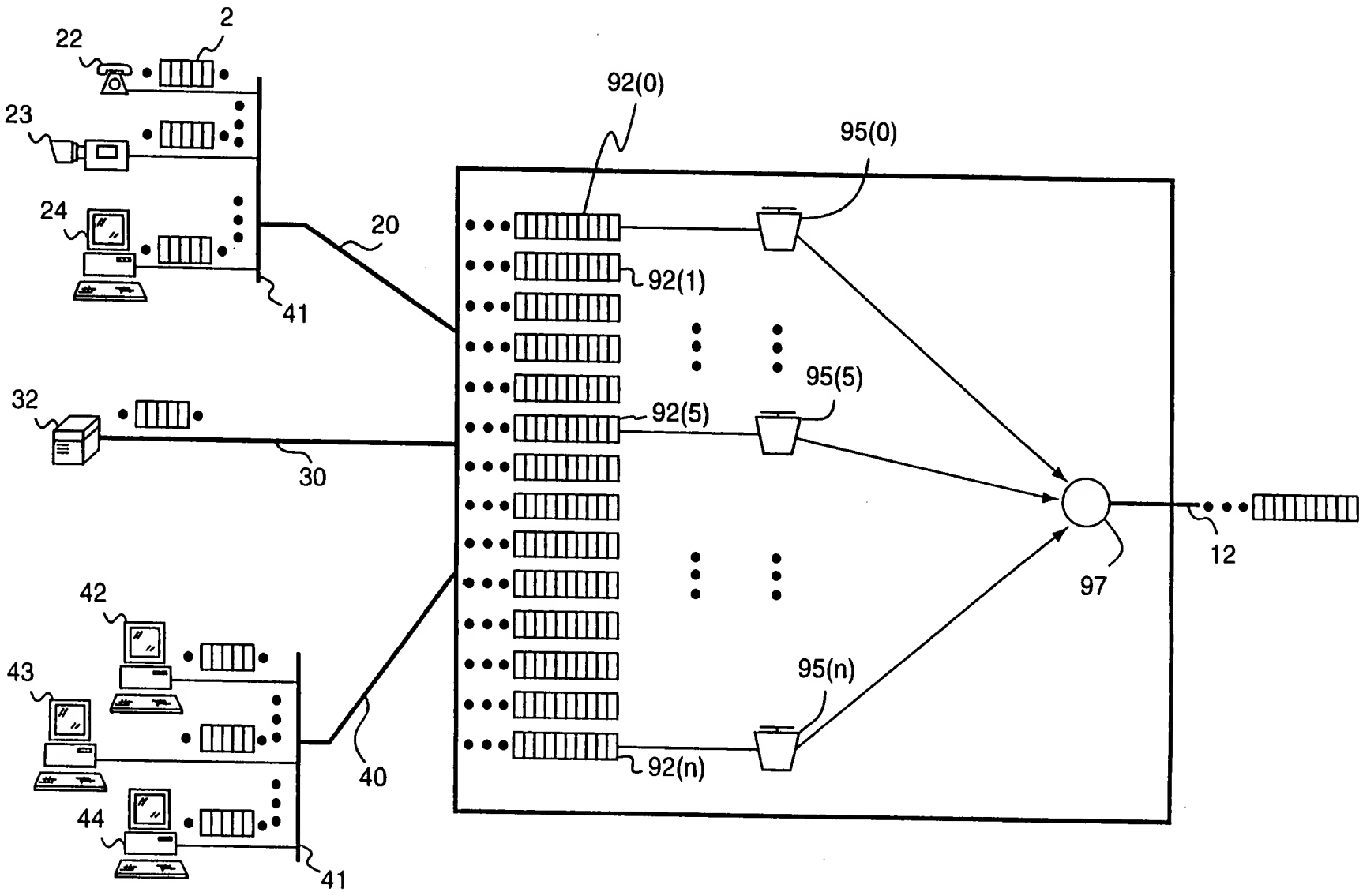
2
22
23
24
20
41
92(0)
95(0)
92(1)
95(5)
92(5)
32
30
97
12
42
43
95(n)
40
92(n)
44
41

FIG. 2

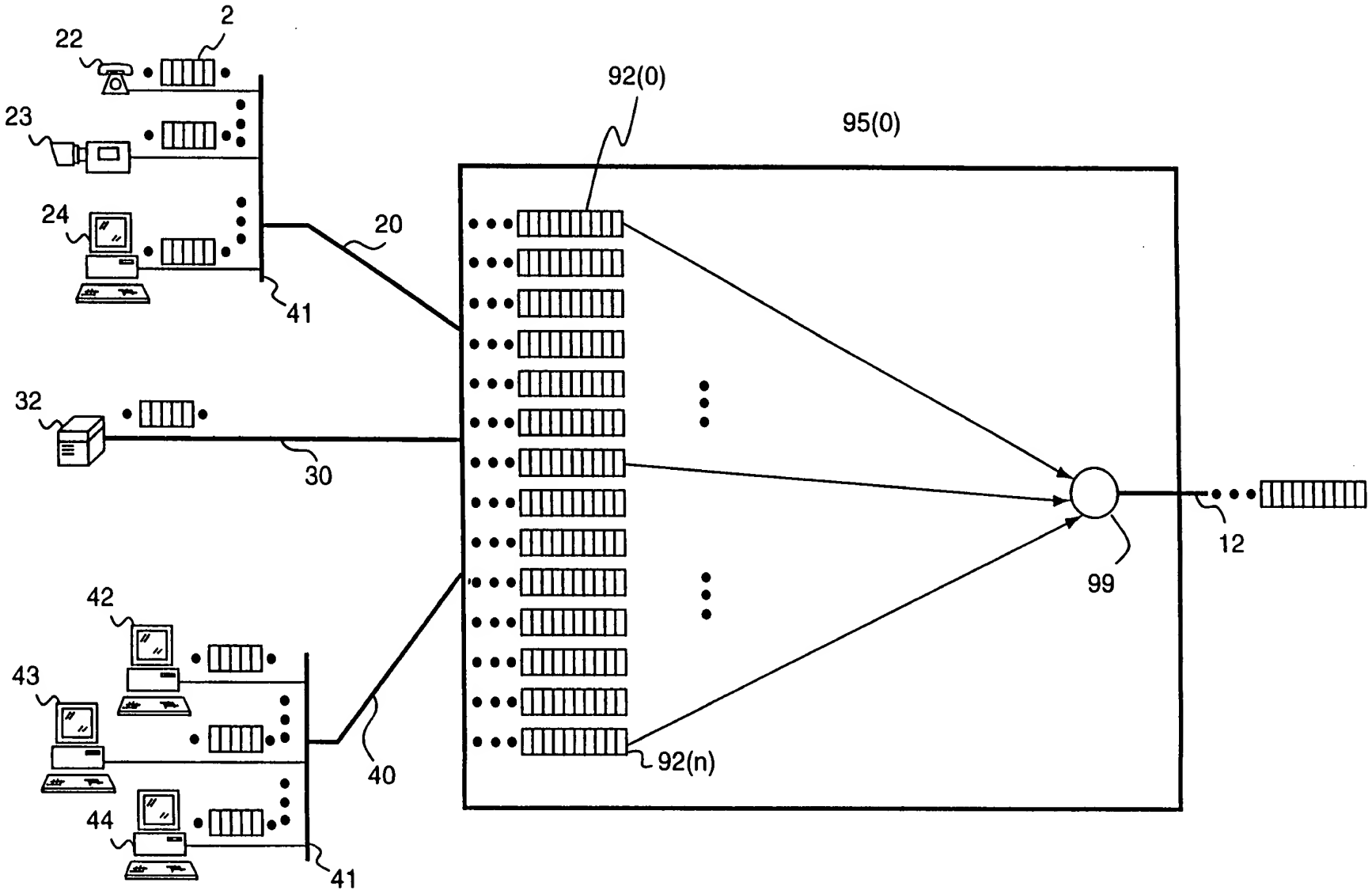

FIG. 3a

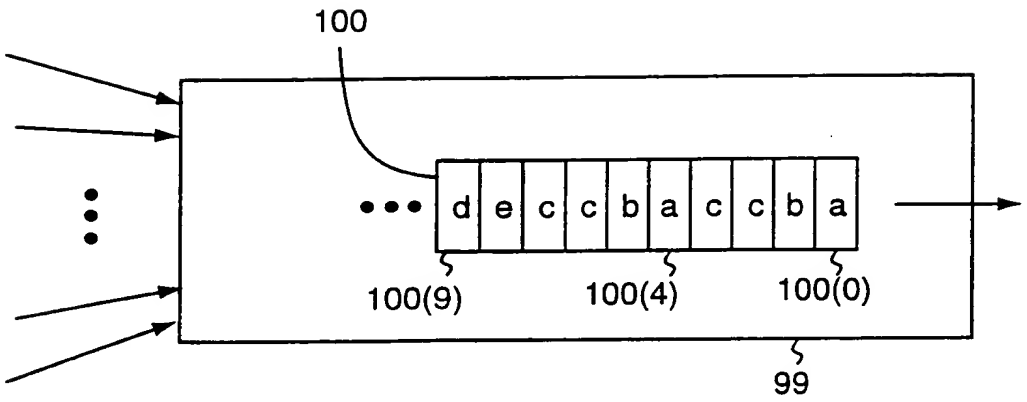
100
d e c c b a c c b a
100(9)
100(4)
100(0)
99

Fig. 3b

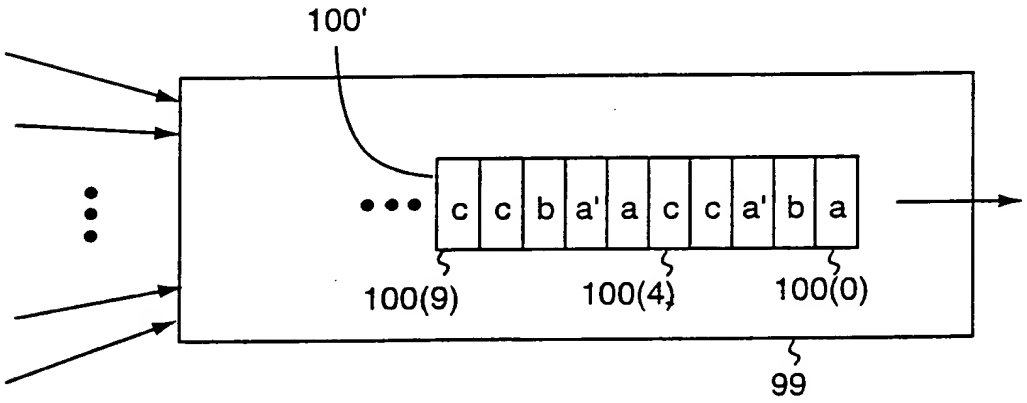
100'
c c b a' a c c a' b a
100(9)
100(4)
100(0)
99

Fig. 3c

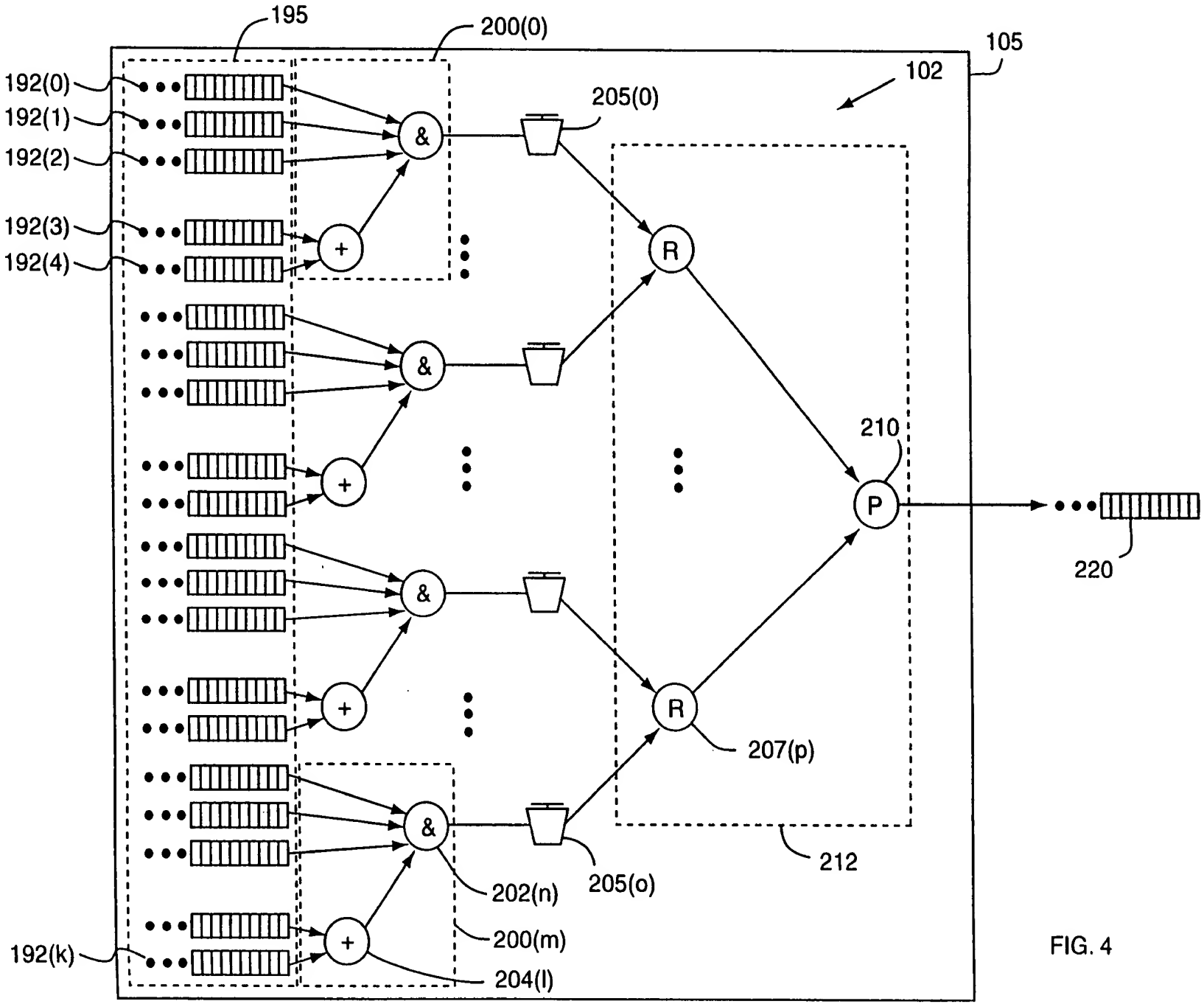
195
200(0)
105
102
192(0)
192(1)
192(2)
192(3)
192(4)
205(0)
&
+
R
210
P
220
207(p)
212
202(n)
205(o)
200(m)
192(k)
204(l)

FIG. 4

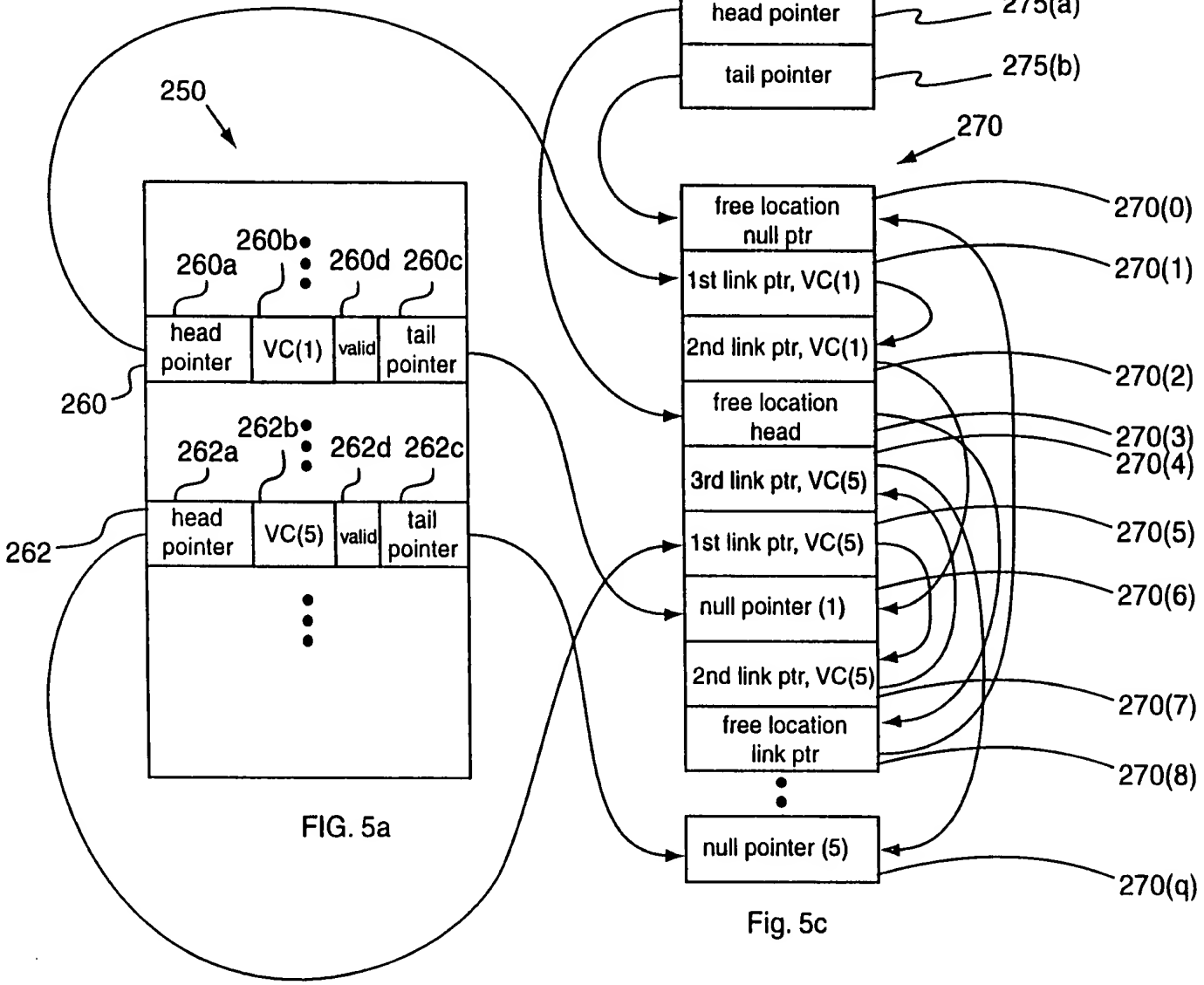

FIG. 5a

Fig. 5b

Fig. 5c

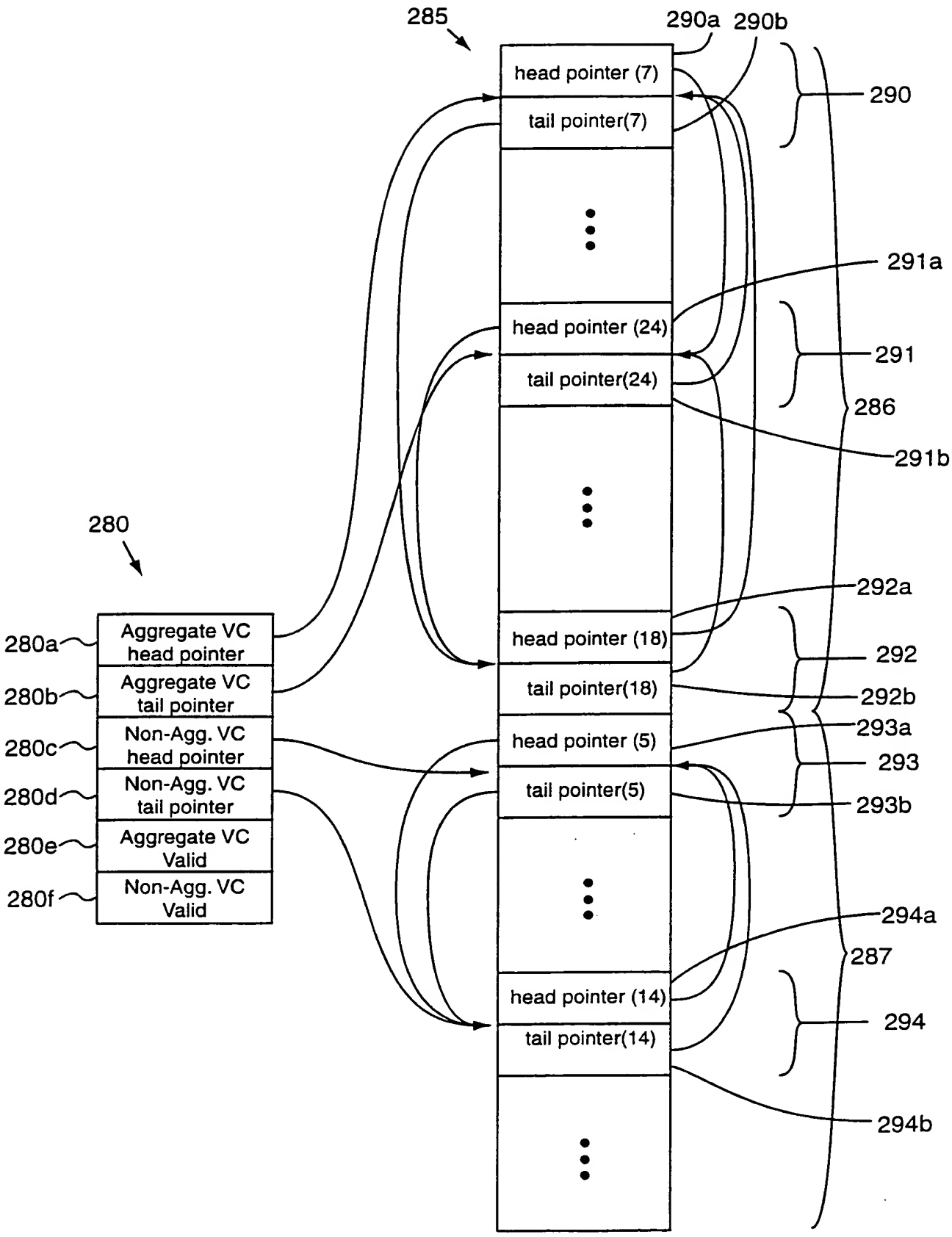
285
290a
290b
head pointer (7)
tail pointer(7)
290
291a
head pointer (24)
tail pointer(24)
291
286
291b
280
Aggregate VC head pointer
Aggregate VC tail pointer
Non-Agg. VC head pointer
Non-Agg. VC tail pointer
Aggregate VC Valid
Non-Agg. VC Valid
280a
280b
280c
280d
280e
280f
292a
head pointer (18)
tail pointer(18)
292
292b
head pointer (5)
tail pointer(5)
293a
293
293b
294a
287
head pointer (14)
tail pointer(14)
294
294b

FIG. 6

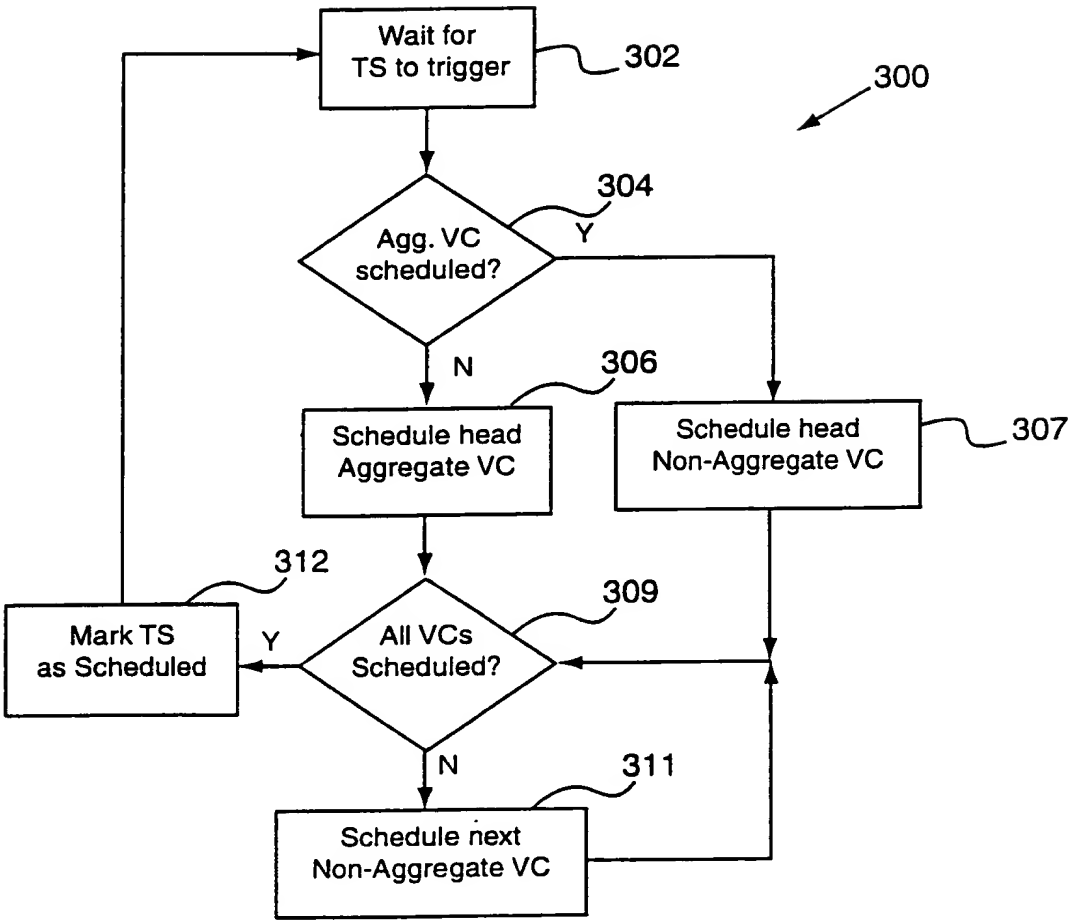
Wait for
TS to trigger
302
300
304
Agg. VC
scheduled?
Y
N
306
Schedule head
Aggregate VC
Schedule head
Non-Aggregate VC
307
312
309
Mark TS
as Scheduled
Y
All VCs
Scheduled?
N
311
Schedule next
Non-Aggregate VC

FIG. 7

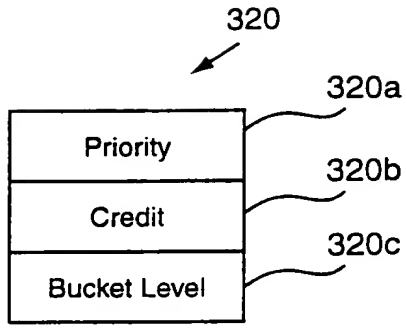
320
320a
Priority
320b
Credit
320c
Bucket Level

FIG. 8a

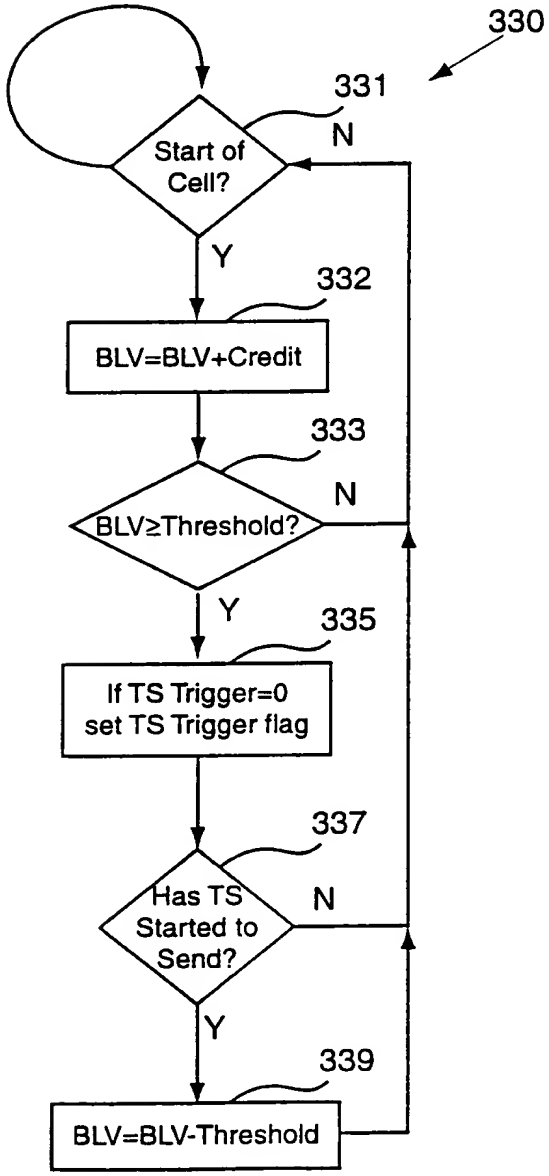
330
331
Start of Cell?
N
Y
332
BLV=BLV+Credit
333
BLV≥Threshold?
N
Y
335
If TS Trigger=0 set TS Trigger flag
337
Has TS Started to Send?
N
Y
339
BLV=BLV-Threshold

FIG. 8b

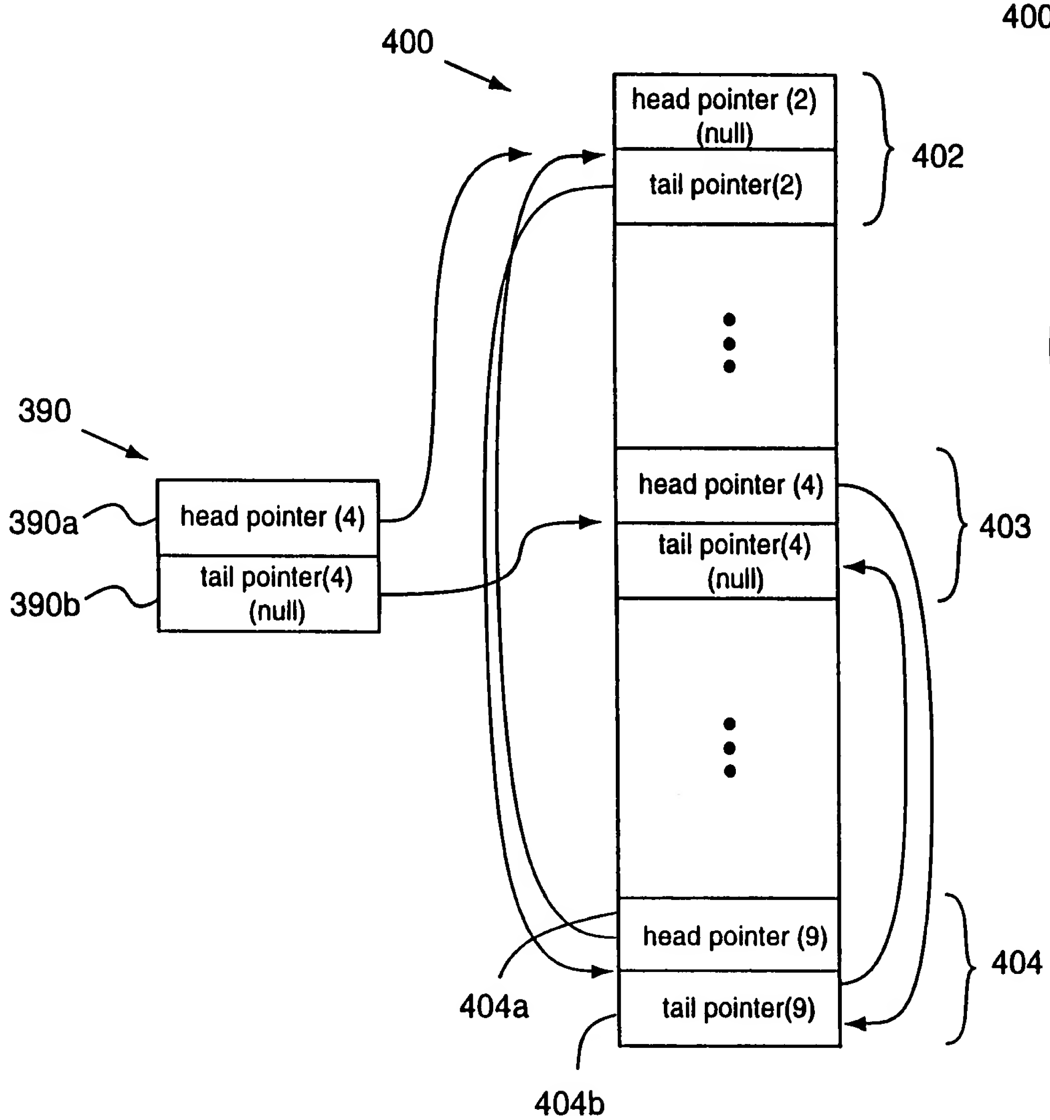
400
390
390a
390b
head pointer (4)
tail pointer(4)
(null)
head pointer (2)
(null)
tail pointer(2)
402
head pointer (4)
tail pointer(4)
(null)
403
head pointer (9)
tail pointer(9)
404
404a
404b

FIG. 9a

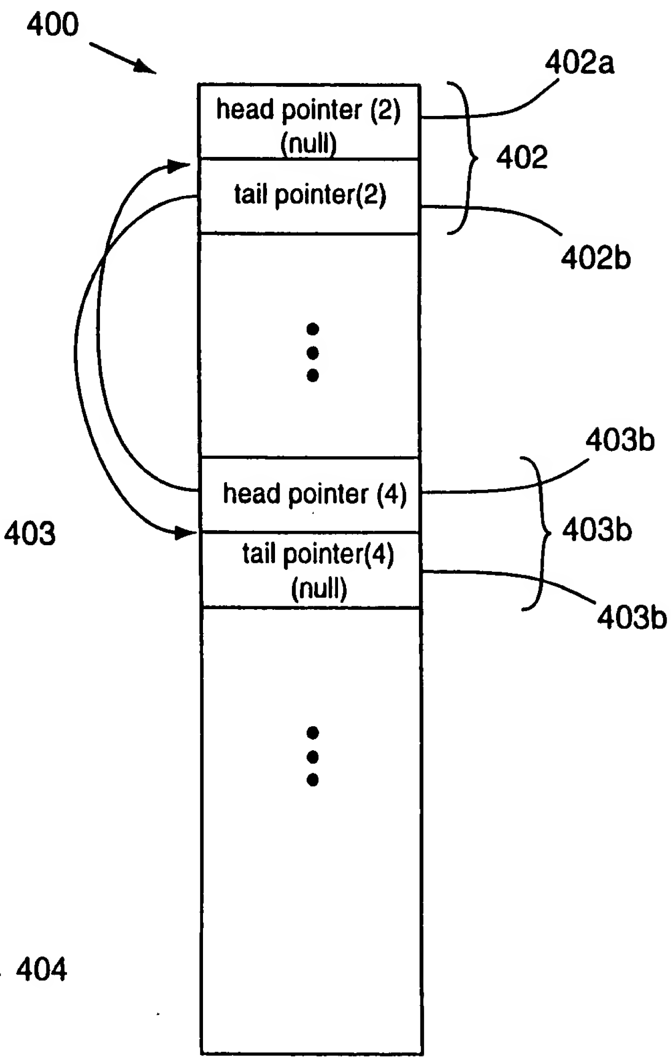
400
head pointer (2)
(null)
tail pointer(2)
402a
402
402b
head pointer (4)
tail pointer(4)
(null)
403b
403b
403b

FIG. 9b

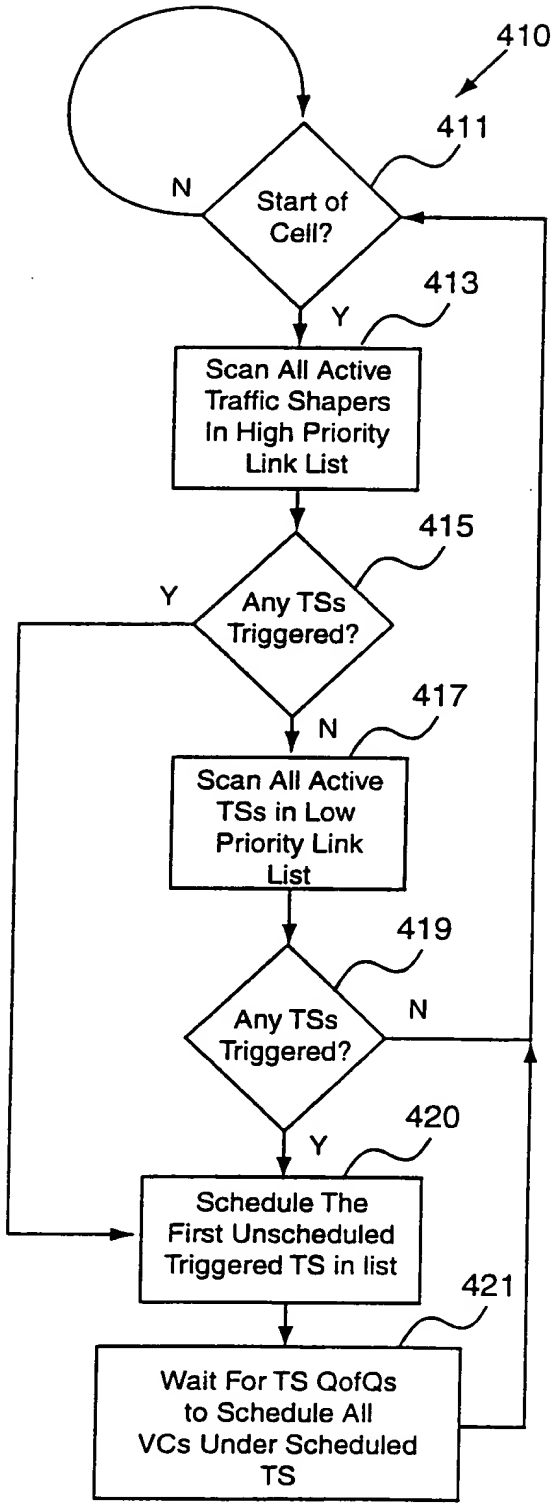
410
411
Start of Cell?
N
Y
413
Scan All Active Traffic Shapers In High Priority Link List
415
Any TSs Triggered?
Y
N
417
Scan All Active TSs in Low Priority Link List
419
Any TSs Triggered?
N
Y
420
Schedule The First Unscheduled Triggered TS in list
421
Wait For TS QofQs to Schedule All VCs Under Scheduled TS

FIG. 10